



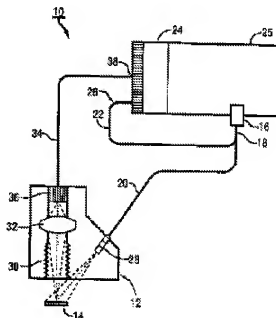


**DIFFUSED-LIGHT REFLECTIVITY SENSOR FOR OPTICAL FIBER****Publication number:** JP8304287**Publication date:** 1996-11-22**Inventor:** ANSONII BOIARUSUKII; ANDORIYUU DOSUMAN**Applicant:** BAYER AG**Classification:****- international:** G01N21/77; G01N21/47; G02B6/00; G01N21/77;  
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G02B6/00**- European:** G01N21/47F2**Application number:** JP19960079950 19960402**Priority number(s):** US19950440105 19950512**Also published as:** EP0743514 (A1) US5701181 (A1) CA2173014 (C) AU676656B (B2)

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**Abstract of JP8304287**

**PROBLEM TO BE SOLVED:** To enhance the resolution of an optical fiber diffused light reflectance sensor for detecting a light reacted to an object to be analyzed and reflected on a reagent test pad. **SOLUTION:** The optical fiber diffused light reflectance sensor comprises an optical fiber bundle 20 for illuminating a reagent test piece pad 14 with the light emitted from an illumination means 16 through an illumination light baffle 28 and reflecting the light on the pad 14, a lens means 32 for condensing the light reflected on the reagent test piece pad 14, an optical fiber bundle 34 for detection having an input end 36 for receiving the condensed light and an output end 38 for radiating the light, a linear array detector 24 coupled optically with the output end of optical fiber bundle 34 in order to convert the light introduced through the optical fiber bundle 34 into an electric signal, and an electronic processing means 25 for translating the electric signal.



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